



Public Health Department
Communicable Disease Section

STI/HIV Update 2015

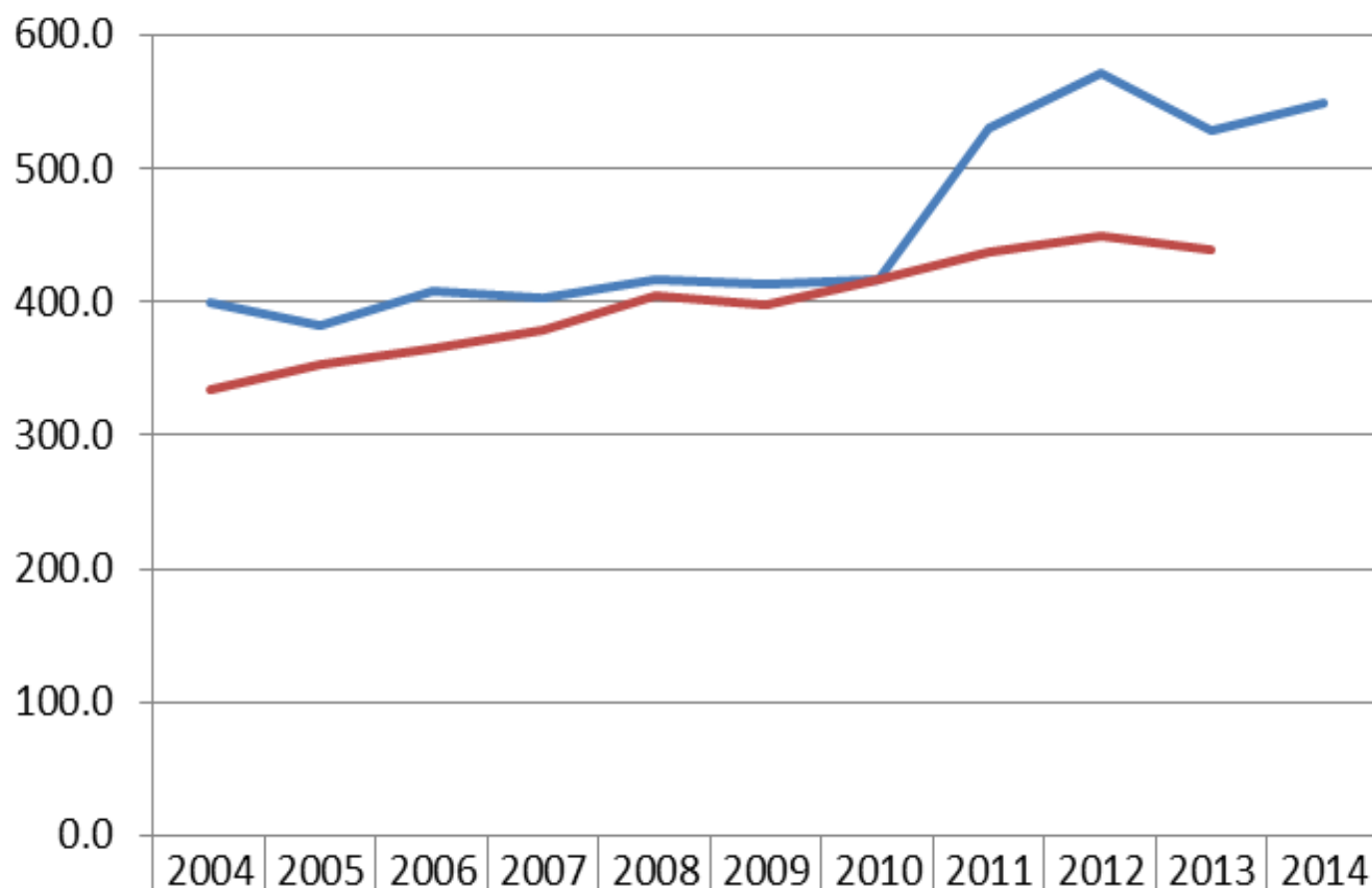
Kim Woods, MPH
Epidemiologist
April 1, 2015
April 8, 2015



Chlamydia 2004-2014

San Bernardino County and California

Incidence Rate per 100,000 Popn



| | | | | | | | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| County of San Bernardino | 399.8 | 383.1 | 407.5 | 402.8 | 416.0 | 413.6 | 416.3 | 530.8 | 570.8 | 528.0 | 549.5 |
| California | 334.5 | 353.7 | 366.1 | 379.8 | 405.0 | 398.1 | 416.3 | 438.1 | 449.0 | 439.5 | |

Chlamydia

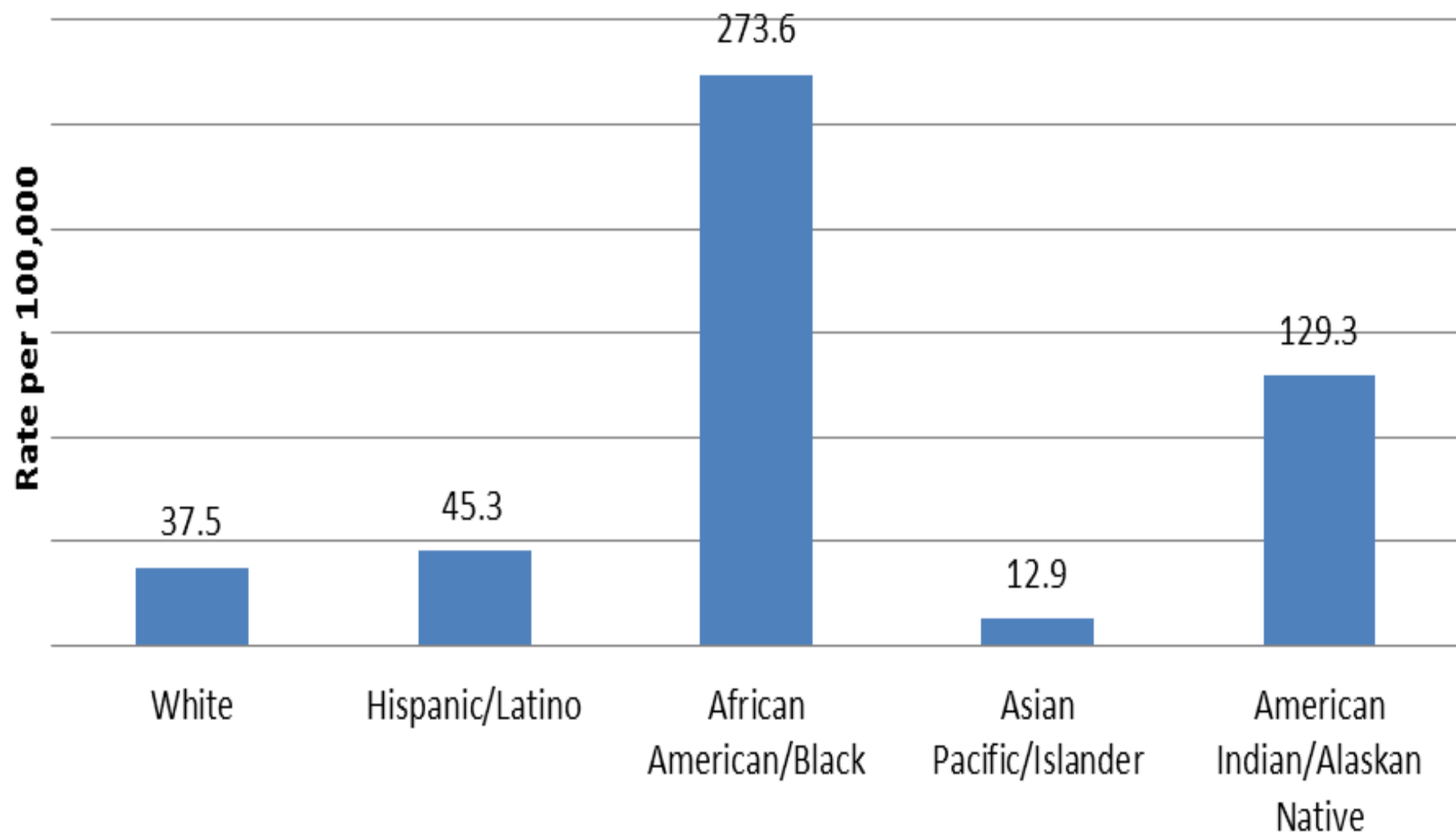
- Females 15-25 account for 52% of all cases
- 70% females/25% men may be asymptomatic
- Complications for untreated females-
 - PID, ectopic pregnancy, infertility
 - Preterm delivery, pneumonia in infant
- 54% of reports missing race/ethnicity
 - Many are missing address
- Resource issues- many local PH departments no longer investigate except highest risk cases

Gonorrhea 2004-2014

San Bernardino County and California



Gonorrhea Incidence Rates by Race/Ethnicity, San Bernardino County, 2014



Gonorrhea Statewide

- MSM account for 39% of all cases in CA
 - % is increasing
 - 27% of MSM GC cases are also HIV positive
 - NAAT/Urine only testing misses extragenital infections
- 36% of cases treated using non recommended regimen or not treated
- 21% male heterosexual cases incarcerated previous yr
 - 8% of female cases
- 38% of cases used internet to meet new or anonymous partners
- 7% of cases used methamphetamine in previous yr

Gonorrhea Locally

- Cephalosporin resistance looming concern
- 2010 change in treatment guidelines-
 - Two antibiotic regimen now recommended
- New focus on hotspots in county by local PHD
- Provider education
- July 1- jail testing project for women 35 yrs and under
 - 8.5% are positive for either Chlamydia or Gonorrhea

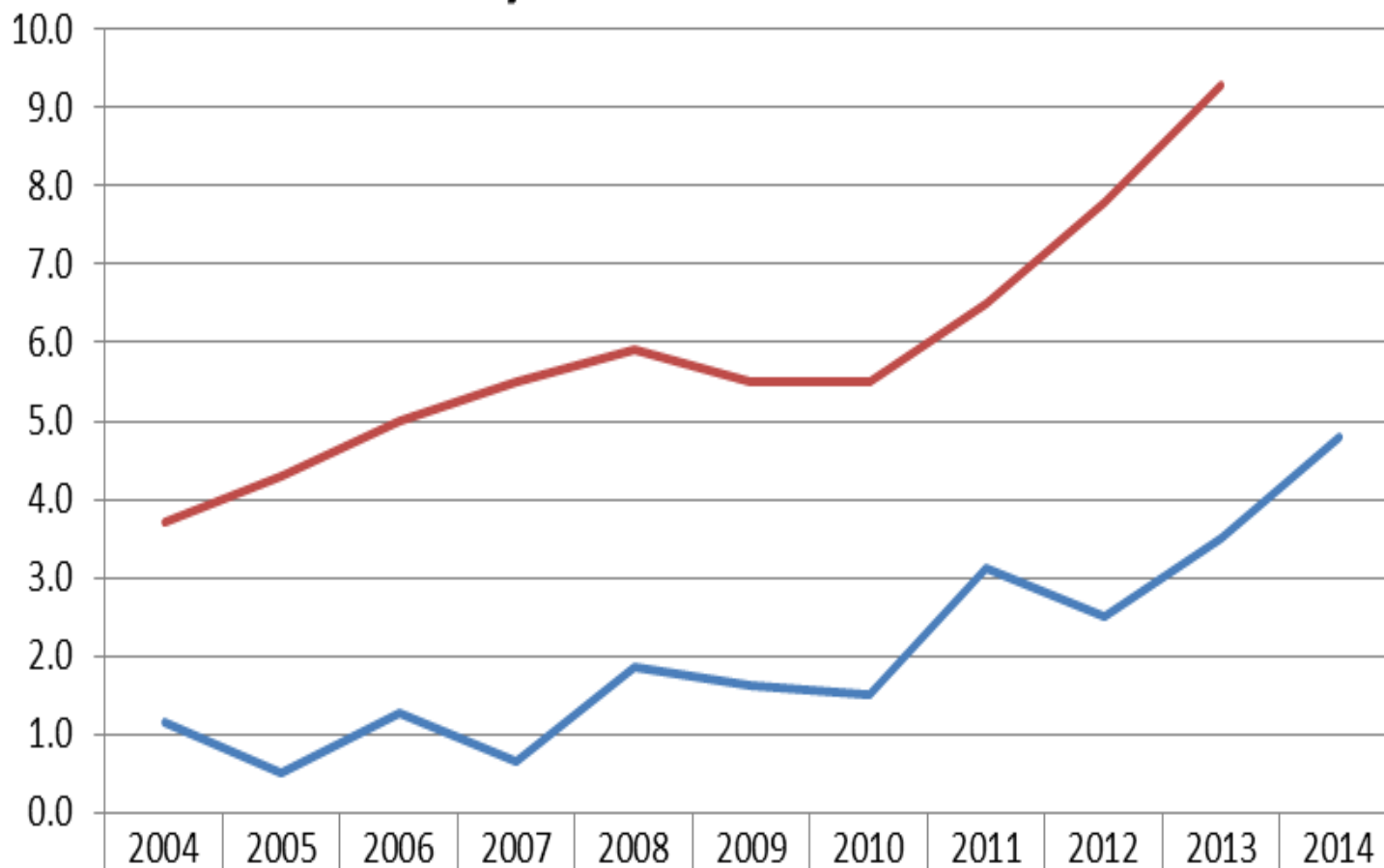
Partnership with Providers

- Education to patients
- Thorough sexual history
- Treatment of partners- patient delivered therapy
- Testing/referral of partners
- Report to public health completely and timely
- Link STD investigations with HIV testing

Primary/Secondary Syphilis 2004-2014

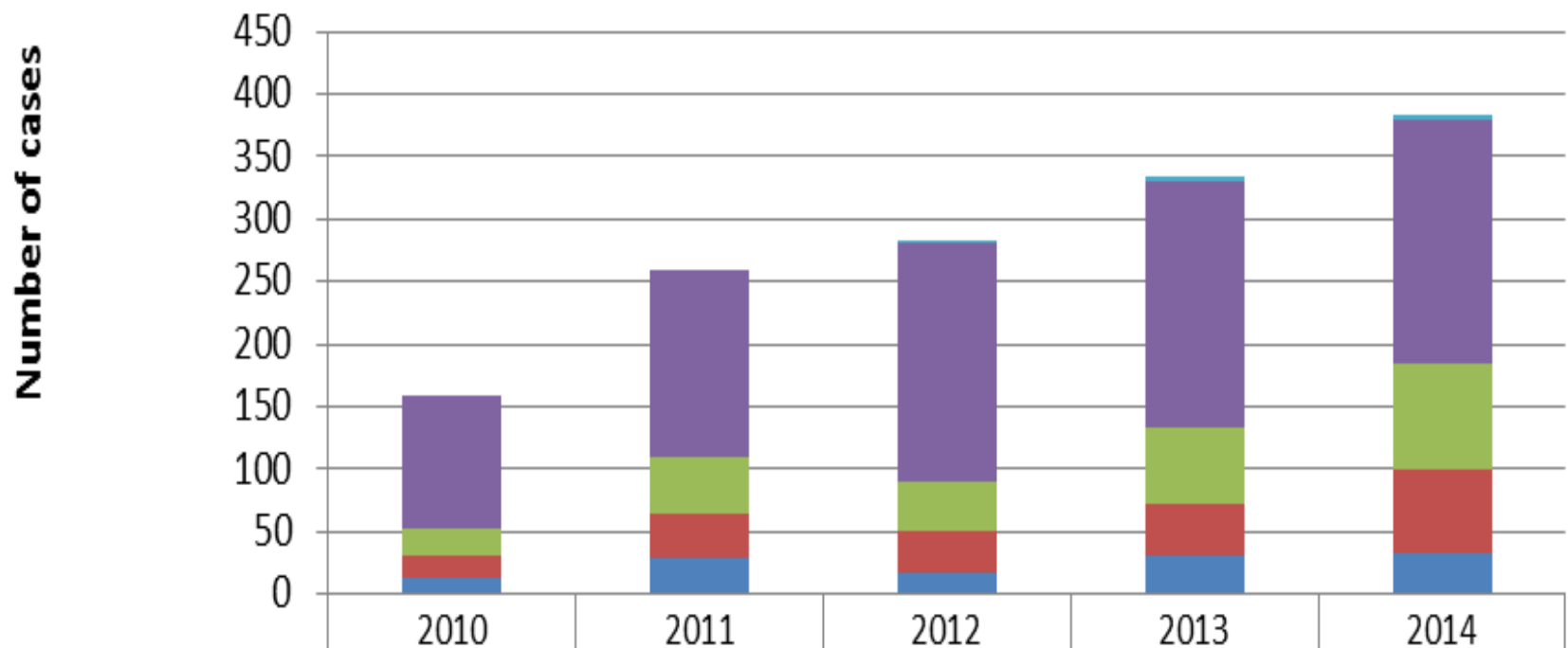
San Bernardino County and California

Incidence Rate per 100,000 Popn



| | | | | | | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| San Bernardino County | 1.2 | 0.5 | 1.3 | 0.6 | 1.8 | 1.6 | 1.5 | 3.1 | 2.5 | 3.5 | 4.8 |
| California* | 3.7 | 4.3 | 5.0 | 5.5 | 5.9 | 5.5 | 5.5 | 6.5 | 7.8 | 9.3 | |

San Bernardino County Syphilis by Stage 2010-2014



| | | | | | |
|--------------------------------|-----|-----|-----|-----|-----|
| ■ Congenital | 0 | 0 | 1 | 4 | 3 |
| ■ Late/Latent Unknown Duration | 106 | 151 | 191 | 198 | 195 |
| ■ Early Latent | 22 | 45 | 39 | 60 | 86 |
| ■ Secondary | 18 | 34 | 33 | 42 | 66 |
| ■ Primary | 13 | 30 | 18 | 31 | 33 |

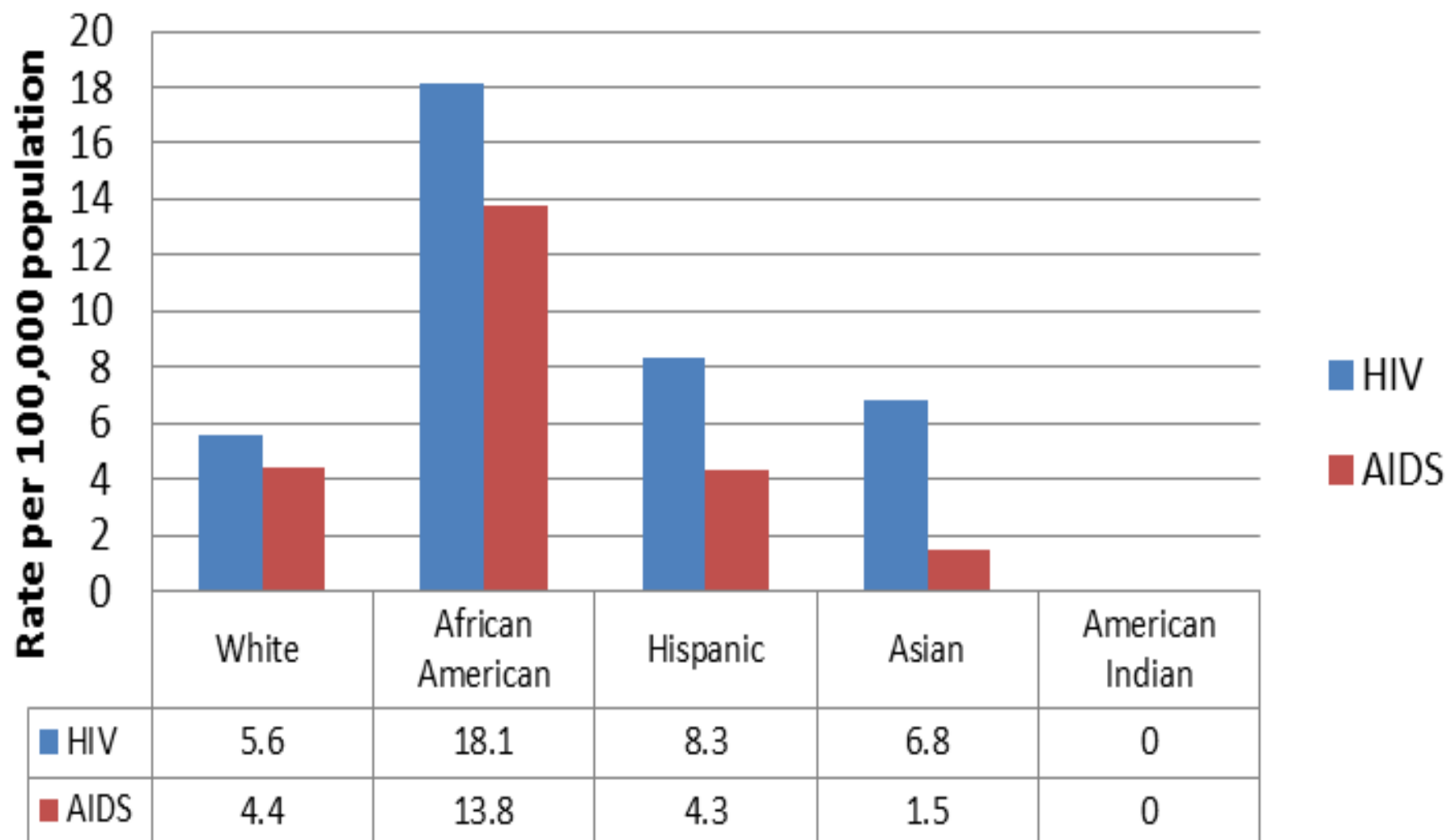
Syphilis S CA Region

- MSM account for 79% of cases
 - 49% are HIV positive also (11% of heterosexuals)
- Cases doubled in heterosexuals
 - Female case numbers up significantly
- 33-37% of cases in 20-29 year old group
- 15-17% of cases use Methamphetamine
- Whites largest proportion of cases- 42-48%
- Sex partners
 - MSM- 42% internet, Heterosexuals- 20% bars

Syphilis Locally

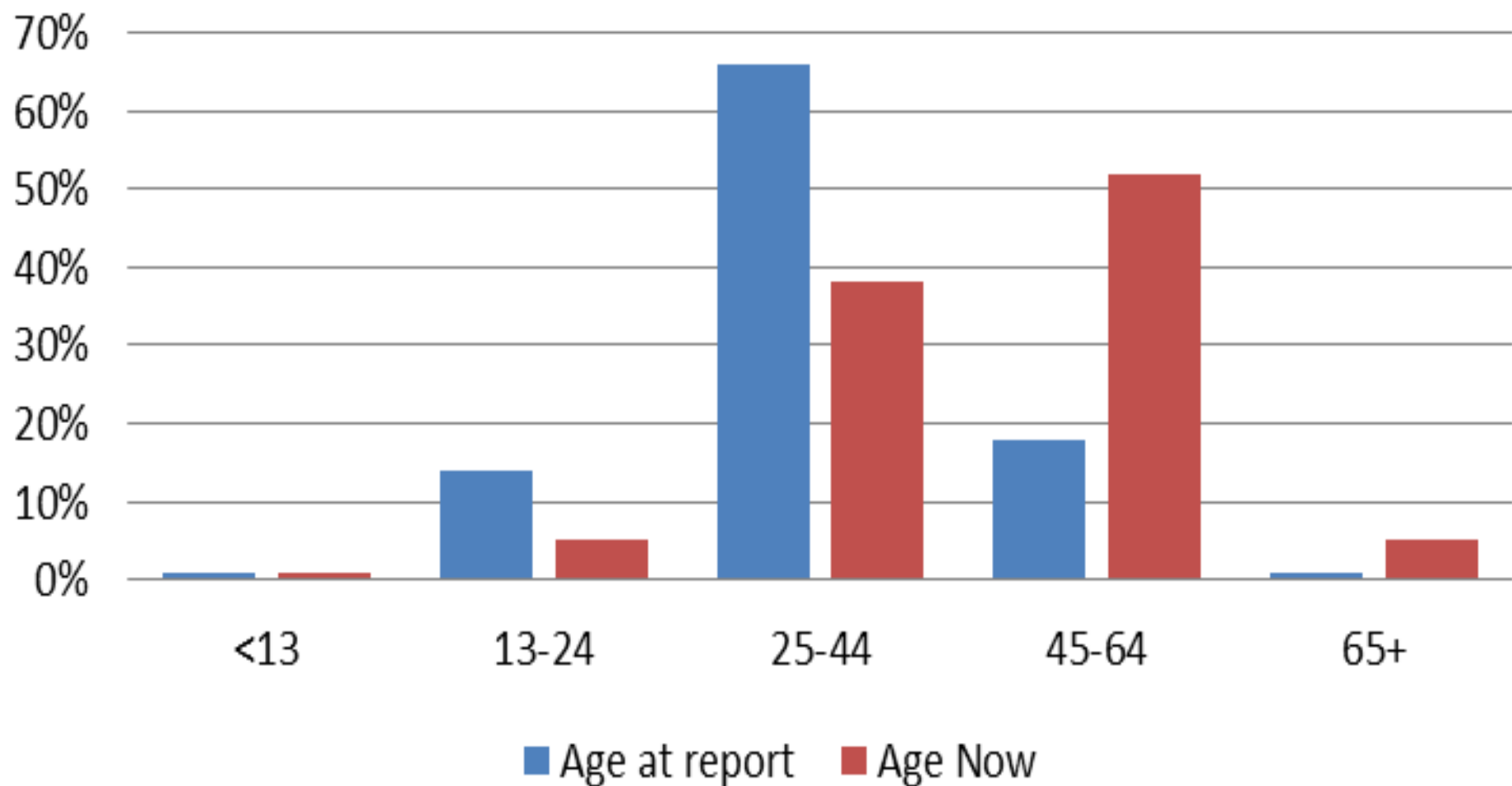
- Time intensive investigations
- Early (infectious) cases continue to increase
- Increase driven by MSM
- 4 congenital syphilis cases in 2013; 3 in 2014; usual is 0-1
- Education to providers

HIV Incidence Rates (New) by Race/Ethnicity San Bernardino County, 2013



HIV/AIDS Prevalence (Living) -3,613

San Bernardino County, 2013



HIV/AIDS

- 84% males, 16% females
- Risk factors
 - Males- 73% MSM
 - Females- 58% hetero
- Partner Services- notify of exposure
- HIS- testing and demographic info to identify new infections vs new diagnoses

HIV Prevention

- Prevention with positives
 - Linkage to care, treatment adherence, support services key to maintaining undetectable viral loads
 - 37% of all persons living with HIV in the county have undetectable viral loads
 - 81% of all persons living with HIV and in care have undetectable viral loads
- Integration with STD Services
 - Test for HIV also
 - Offer referral to HIV clinic for care

HIV Prevention (2)

- Pre Exposure Prophylaxis PrEP
 - High risk individuals take HIV meds before infection
 - Truvada- 2 HIV meds/1 pill/1 time daily
 - Continue to use condoms
 - Early side effects mild and disappear
 - Clinical studies- reduced risk up to 90%
 - MSM, discordant heterosexual couples
 - Requires regular medical monitoring
 - Many insurances will pay for

Routine Testing Public Health Clinics

- Free to low cost testing based on income and coverage
- Rapid testing available
- Anyone 12 years and older can test
- Other STD and family planning services are available
- Multiple locations in county
- 800-722-4777 for an appointment

More HIV Testing

- Mobile testing van in 3 locations in county
- Free
- Anyone 12 years or older
- Confidential or anonymous
- Rapid test (40 mins) or conventional (blood) test available
- Call 800-255-6560 for locations and times

Why Testing is Important

- 16% of HIV positive people are unaware of their status
- 23% of new HIV diagnoses develop AIDS within 90 days
- In care, on treatment, retained in care
 - undetectable viral load
 - Less likely to spread infection

QUESTIONS?

Section Main Line 800-722-4794

Kim Woods office 909-387-6642